MOTOR WHEEL CORPORATION

DELAWARE PLANT

OFFICE MEMO

TO Mr. L. R. Culham

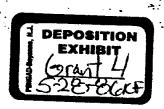
DATE March 2,

RE KSF Crystals

> Contact was made with Don Shuster who advised that because thereis still acid content in the crystals, it is not advisable to use them as landfill. He further advised Bob Goodwin that he had checked with Goodyear and they have no use for them.

I made contact with Dupont Purchasing Buyer, Mr. Robert Hoff, in Wilmington. Ferrous sulfate crystals are used in a process at their Chambers Works across the river in New Jersey. The crystals are purchased by them, packed in multiwall paper bags and in truckload lots - usually one truckload per month. He will entertain a quote from us and if the price is right; will request a sample of the crystals for analysis. He further advised that should we sell them, the quality must be consistent with their specifications.

I believe we should set up a meeting to arrive at a price present to them.



attachment # AR200746



Me Control

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DATE: September 21, 1972

10:

Marry W. Otto

VIAI .

Robert R. French

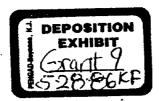
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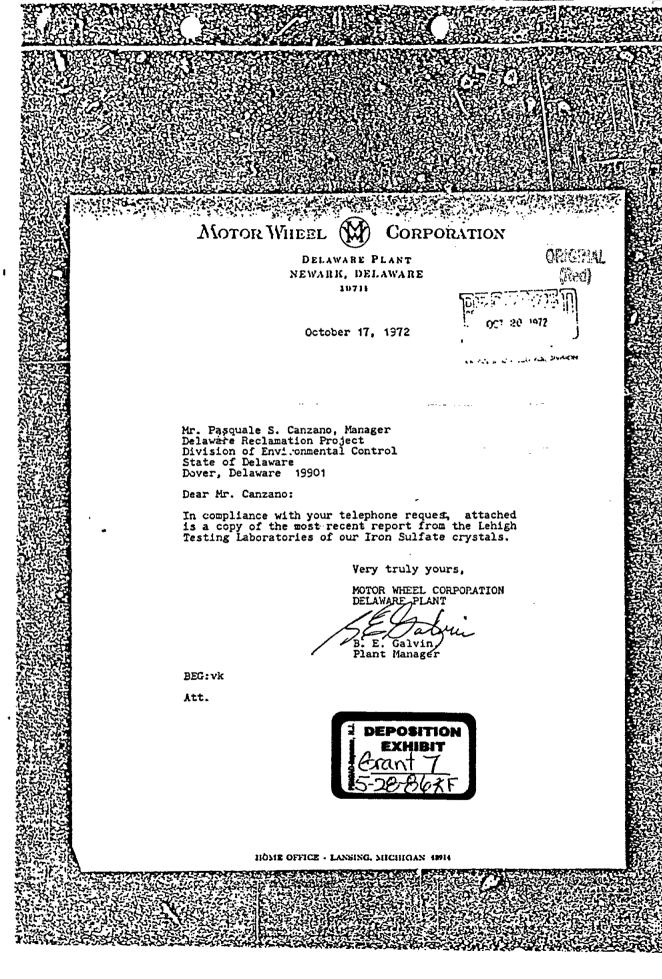
SUBJECT:

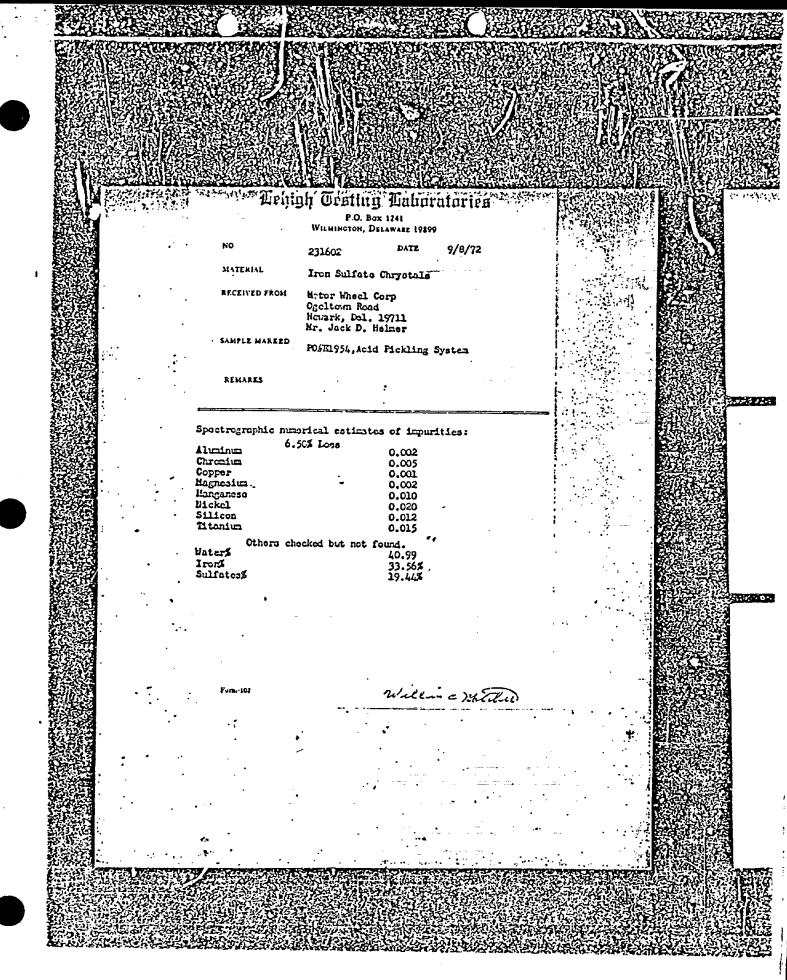
Industrial Vastes/New Castle County

The two samples, I submitted to you for analyses on September 20, 1972, were farrous sulfate crystals and a phenolic spoxy resin. As we discussed, these materials were industrial wastes which have, in the past, been deposited in the County's Landfill located at Figeon Point. We are concerned with phenols and heavy metals leaching from these materials and possibly contaminating groundwater. As I mentioned, the cured epoxy resin would be deposited in fifty-five gallon steel drums, however, the ferrous sulfate crystals would be deposited directly into the ground. We auticipate that the ferrous sulfate crystals represent a greater potential for groundwater contamination because of their high water solubility.



PSC:kef







STATE OF DELAWARE

DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

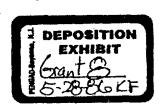
Dover, Delaware 19901

Austin N. Heller, Secretary

Division of Environmental Contr

October 27, 1972

Mr. George W. Dutcher Director Department of Public Works New Castle County P. O. Box 165 Wilmington, Delaware 19899



Dear George:

At your request, we have reviewed the acceptability for continued deposition in your landfill of two industrial solid wastes, which have been deposited in the past. The materials are:

	Solid Waste	Producer	Weekly Quantity				
(1)	Bis-phenol(A) resin	National Vulcanized Fiber Company	15-55 gal- lon drums				
(2)	Ferrous sulfate crystals	Motor Wheel Corporation	10 to 15 tons				

We find these materials to be unacceptable for continued deposition in your landfill. The Bis-phenol resin, in our laboratory tests, easily leached high concentrations of phenols into distilled phenol-free water. This material has a high future potential for contaminating groundwater aquifers which serve to supply drinking water. Although, this material is deposited in 55 gallon steel drums, which may or may not be tightly sealed, its potential for polluting groundwater would only be delayed until these drums corroded.

The ferrous sulfate crystals, although chemically innocuous, are totally water soluble. Therefore, these crystals which are deposited directly in the ground, represent an immediate threat to groundwater contamination, by extremely high iron and sulfates concentrations.

As a result of our review of these materials, we have concluded that in the near future, you will be required to prepare within your present landfill site a

Mr. George W. Dutcher October 27, 1972 Page Two

sealed area for depositing only industrial solid wastes and having a leachate collection and treatment system.

We would be most happy to discuss this matter further and to work with you in an attempt to resolve this growing problem.

Very truly yours,

Pasquale S. Canzano, Manager

Delaware Reclamation Project
Division of Environmental Control

PSC:kef

cc: Mr. John C. Bryson

Mr. Jerome S. Cohen

Mr. Robert R. French

Mr. N. C. Vasuki

Mr. William Henry

Mr. Walter Fritz

DELAWARE SAND AND GRAVEL COMPANY River Road New Castle

July 16, 1970

Sources of Material:

1. Harvey and Knotts -

General Motors - Paper, Pallets, Carboard, Car insides, Soft goods - linings, seats crates.

<u>Chrysler</u> - Parts Depot, Newark pallets, wooden boxes.

- 2. Weaver Pole and Line Company Dry trash Avisun.
- 3. Bond Crown and Cork Cork dust.
- 4. Ciccone N.H.F. fiber scrap Wilmington and Newark.
- 5. Terranova Haveg Corporation Styrofoam (large amounts).
- 6. Goodyear Tire and Rubber Tires.

Attachment # ST AR200752

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August 29, 1972

Telephone call from Mr. White, NCC, asking verbal approval to dump the collowing

Lystos and Publing System

Description of Material

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20.1% iron

33.7% sulfates

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.05 copper

.025 magnesium

. 12 manganese []

.03 molybdenum

.10 nickel

216 .02 phosphorus

.05 silicon

.03 titanium

11.54

Separate Item (not associated with above)

have been beforeting

A solid filter cake which contains filter aid, iron sulfides, sodium carbonate

and alkaline material.

Mr. French to return call to Mr. White @ 652-660

attachment #6

AR200753

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